

FIG. 1

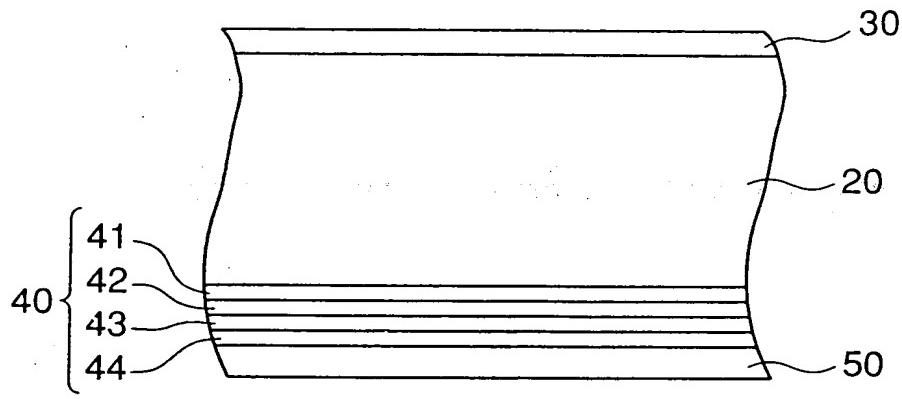


FIG. 2 (a)

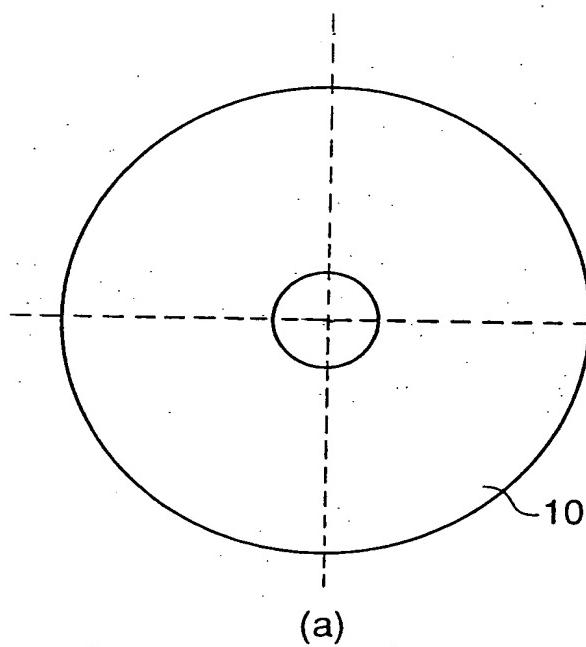


FIG. 2 (b)

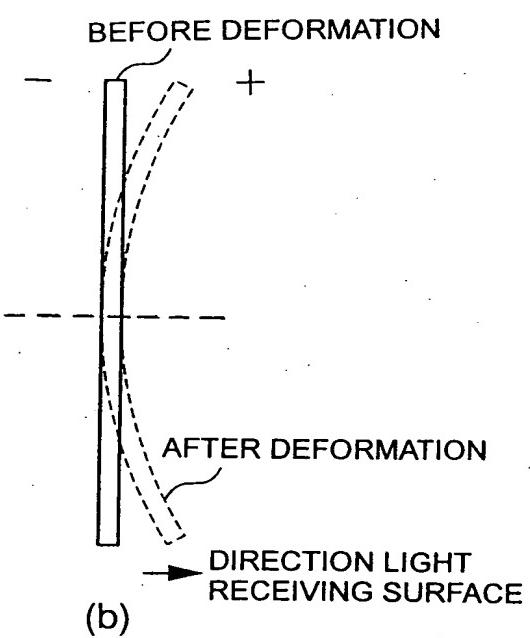


FIG. 3

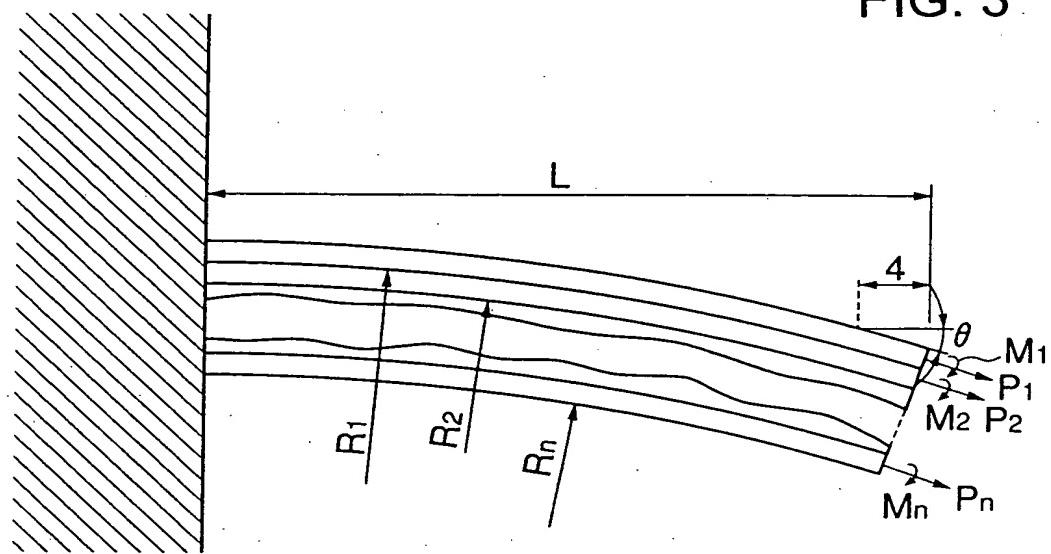
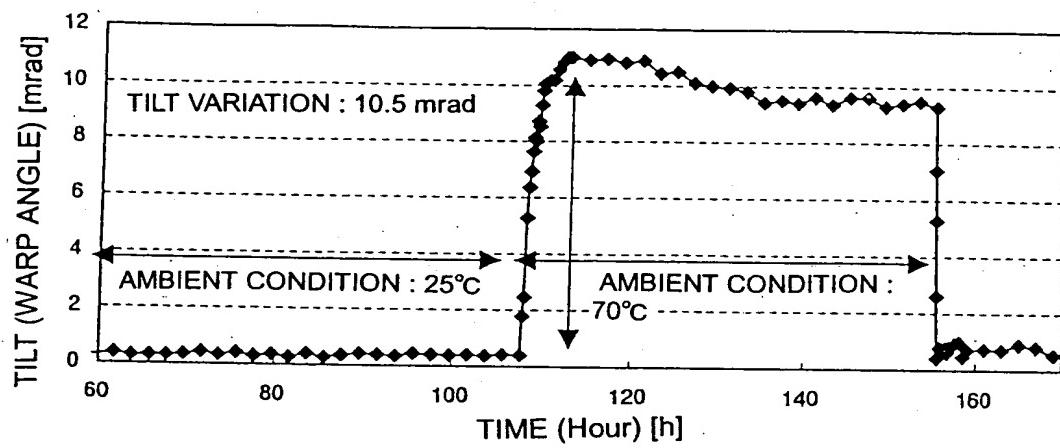
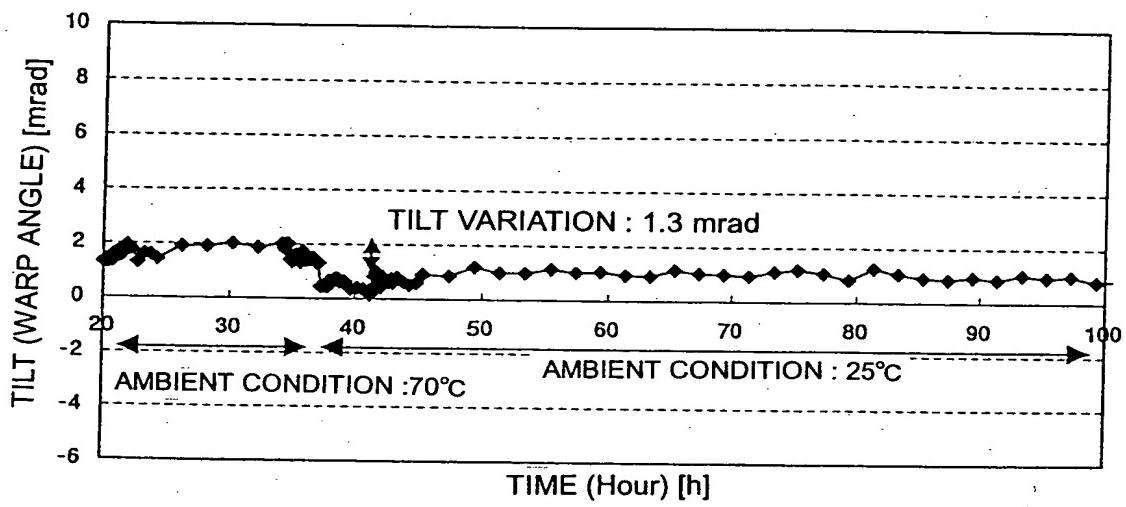


FIG. 4 PRIOR ART



**FIG. 5**

**EXAMPLE 1**



**FIG. 6**

**EXAMPLE 2**

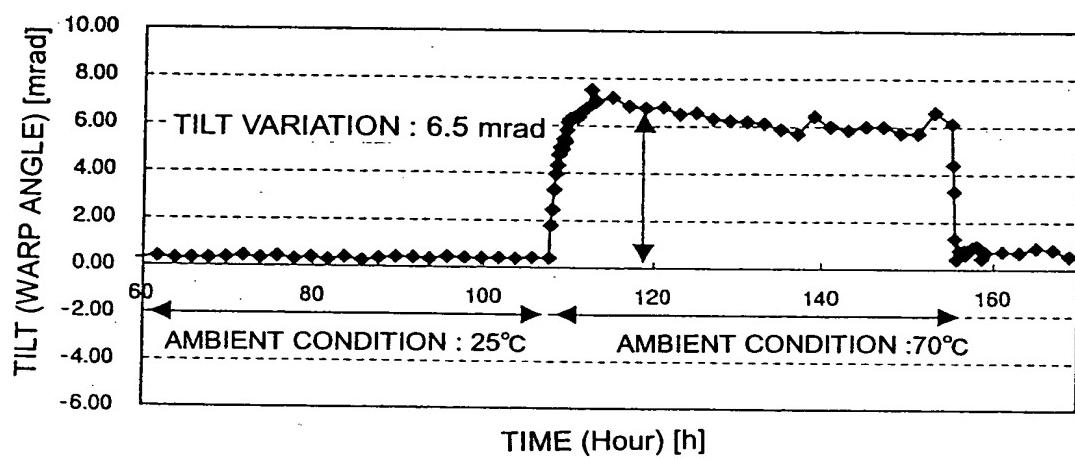
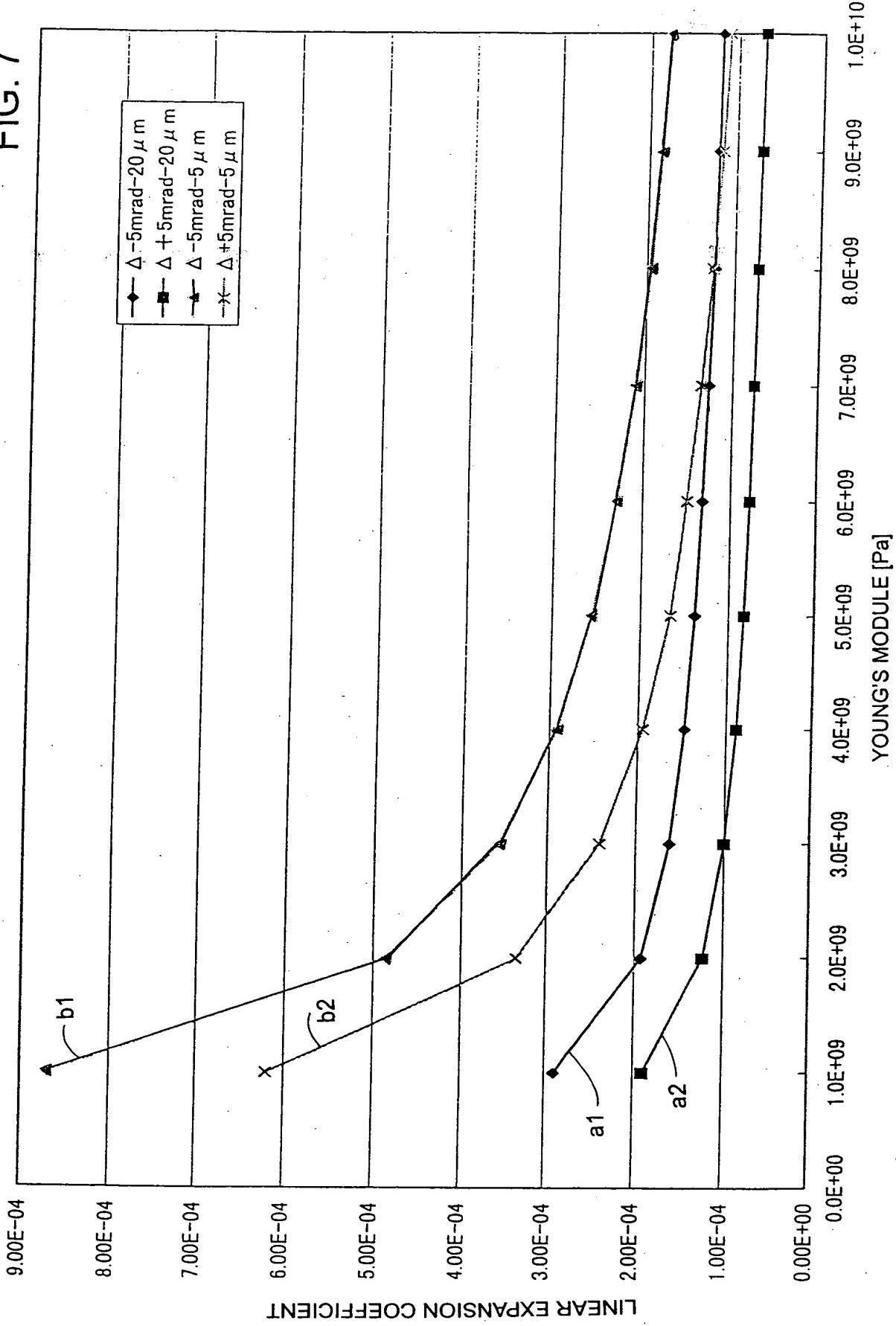
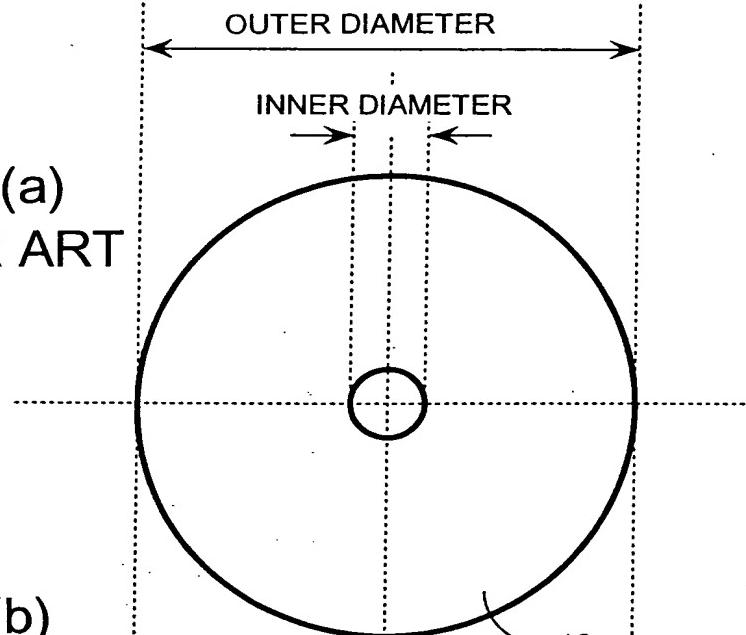


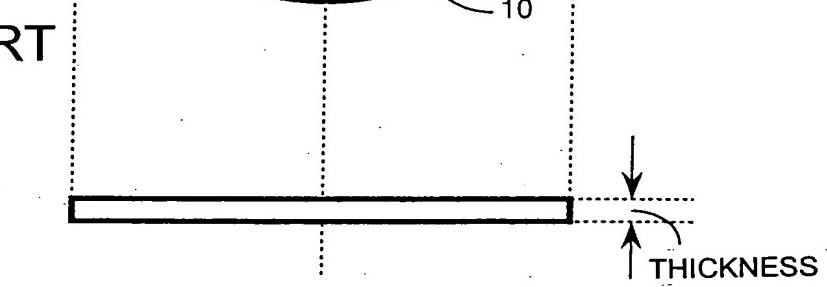
FIG. 7



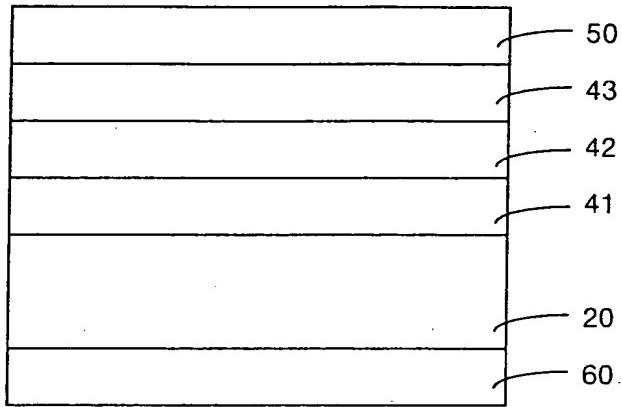
**FIG. 8 (a)**  
**PRIOR ART**



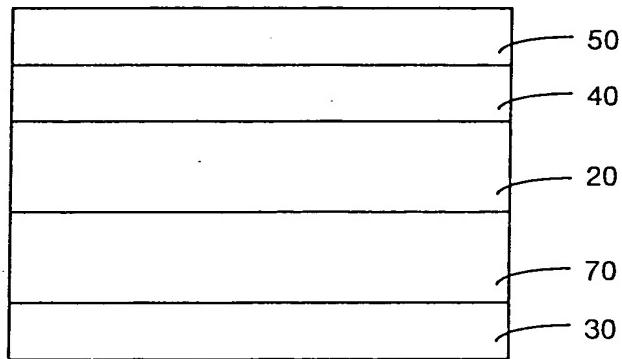
**FIG. 8 (b)**  
**PRIOR ART**



**FIG. 9 PRIOR ART**



**FIG. 10 PRIOR ART**



**FIG. 11**

EXAMPLE 1	MATERIAL	THICKNESS	YOUNG'S MODULUS (Pa)	LINEAR EXPANSION COEFFIEIENT (1/°C)
TRANSPARENT SUBSTRATE 20	POLYCARBONATE	0.5mm	2.41E+09	6.00E-05
THIN FILM LAYER 40	ALUMINUM NITRIDE	65nm	3.43E+11	5.60E-06
PROTECTIVE FILM 50	UV CURING RESIN 1	16µm	5.40E+09	9.50E-05

**FIG. 12 PRIOR ART**

COMPARATIVE EXAMPLE 1	MATERIAL	THICKNESS	YOUNG'S MODULUS (Pa)	LINEAR EXPANSION COEFFIEIENT (1/°C)
TRANSPARENT SUBSTRATE 20	POLYCARBONATE	0.5mm	2.41E+09	6.00E-05
THIN FILM LAYER 40	ALUMINUM NITRIDE	65nm	3.43E+11	5.60E-06
PROTECTIVE FILM 50	UV CURING RESIN 2	16µm	5.40E+09	5.62E-05

**FIG. 13**

EXAMPLE 2

	MATERIAL	THICKNESS	YOUNG'S MODULUS (Pa)	LINEAR EXPANSION COEFFIEIENT (1/°C)
TRANSPARENT SUBSTRATE 20	POLYCARBONATE	0.5mm	2.41E+09	6.00E-05
THIN FILM LAYER 40	ALUMINUM NITRIDE	65nm	3.43E+11	5.60E-06
PROTECTIVE FILM 50	UV CURING RESIN 3	16μm	9.00E+09	5.68E-05

FIG. 14

